



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
Hideo Mae et al.	)	Group Art Unit: 2141
	)	
Application No.: 10/715,024	)	Examiner: Unassigned
	)	
Filed: November 18, 2003	)	Confirmation No.: 3316
	)	
For: DATA COMMUNICATION APPARATUS)	)	
CAPABLE OF REWRITING	)	
FIRMWARE	)	

**FOURTH INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

These documents were cited in an Office Action dated October 31, 2006 in the corresponding Japanese application. For the Examiner's reference a copy of the Office Action and a translation thereof are being submitted herewith.

It is noted that JP10-187457, JP11-220609 and JP2000-029648, cited in the Office Action, were previously cited in the Information Disclosure Statement filed on November 18, 2003 and September 20, 2006.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

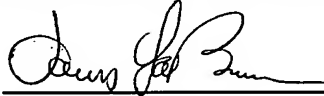
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: January 23, 2007

By:



James A. LaBarre  
Registration No. 28632

P.O. Box 1404  
Alexandria, VA 22313-1404  
703 836 6620



*Jaw*

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Hideo Mae et al.	)	Examiner: Unassigned
Application No.: 10/715,024	)	Confirmation No.: 3316
Filing Date: November 18, 2003	)	
Title: DATA COMMUNICATION	)	
APPARATUS CAPABLE OF	)	
REWRITING FIRMWARE	)	

FOURTH  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a FOURTH Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☒ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date January 23, 2007

By: \_\_\_\_\_

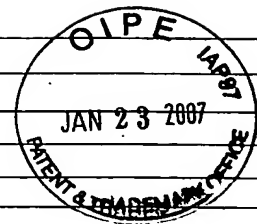
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(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/715,024
Filing Date	November 18, 2003
First Named Inventor	Hideo Mae et al.
Examiner Name	Unassigned
Attorney Docket No.	1009683-000487

[illegible][illegible]

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.